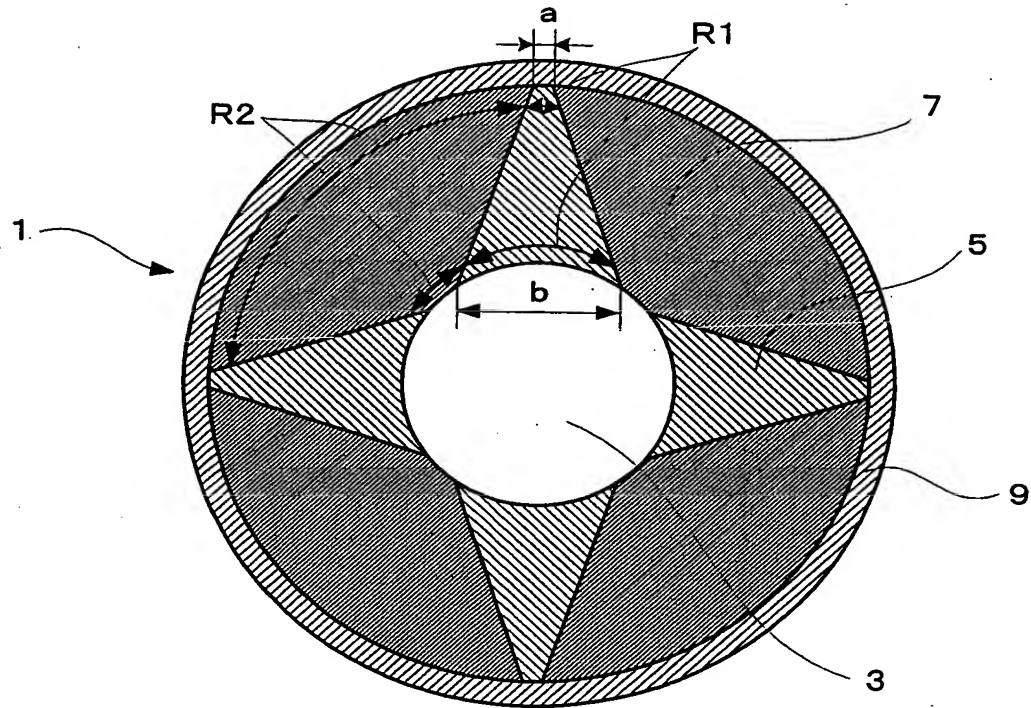




1/9

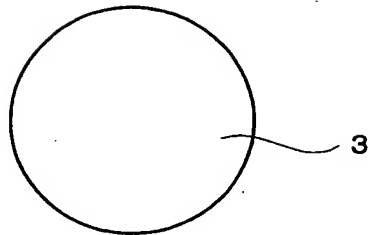
Fig. 1



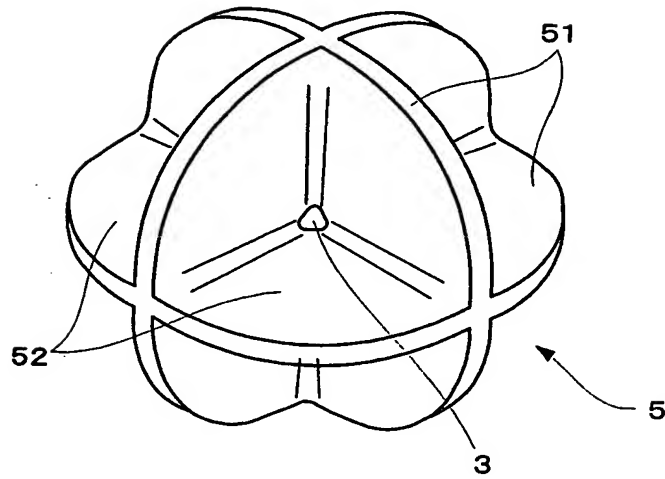
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Fig. 2

(a)



(b)



(c)

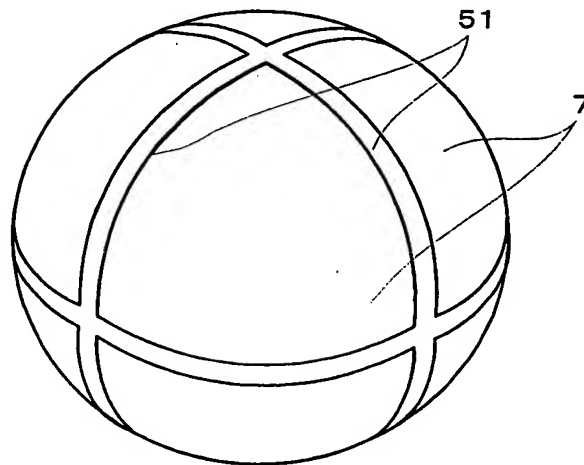


Fig. 3

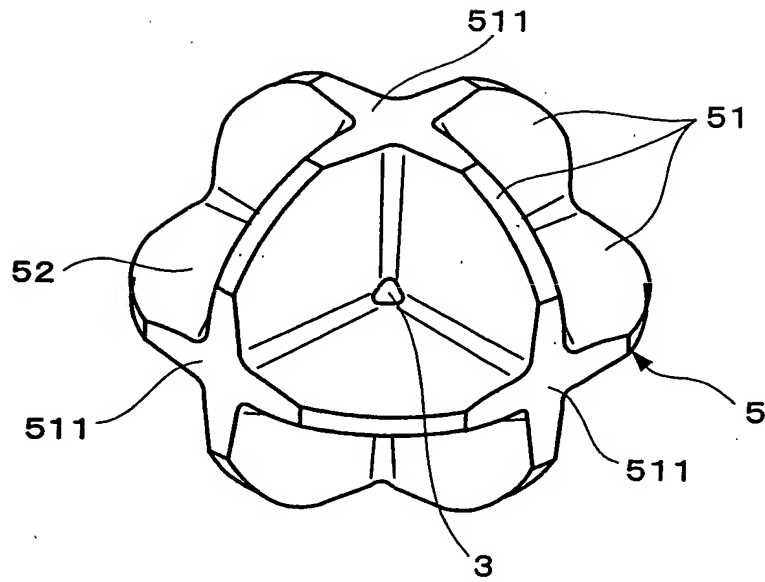


Fig. 4

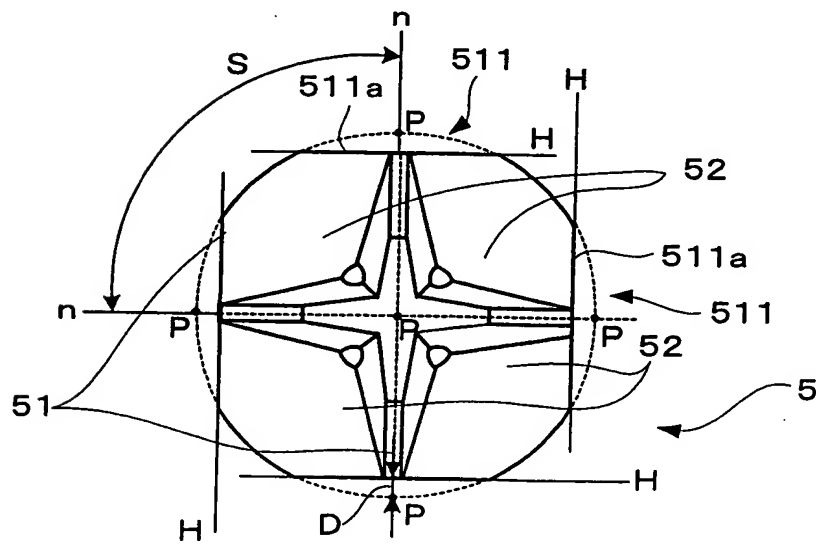


Fig. 5

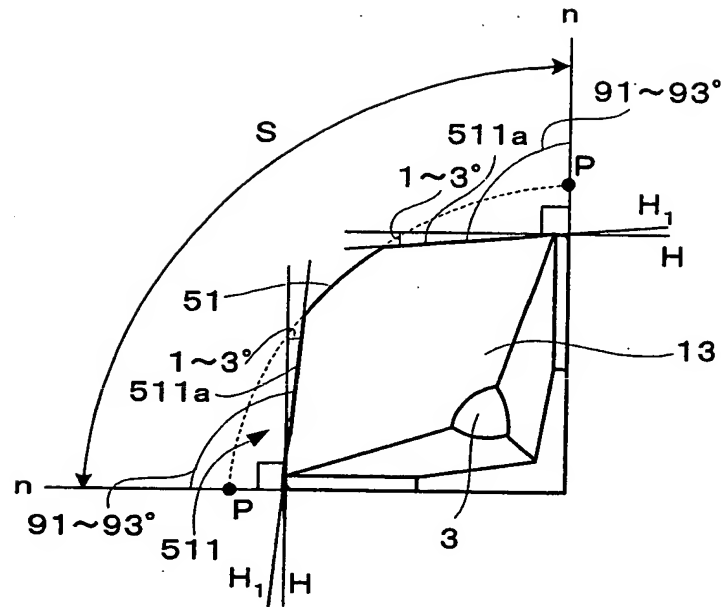


Fig. 6

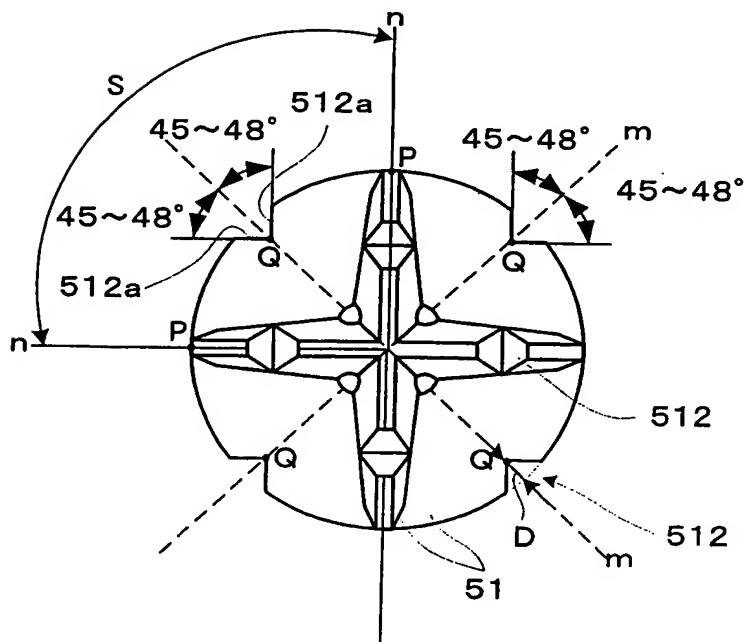


Fig. 7

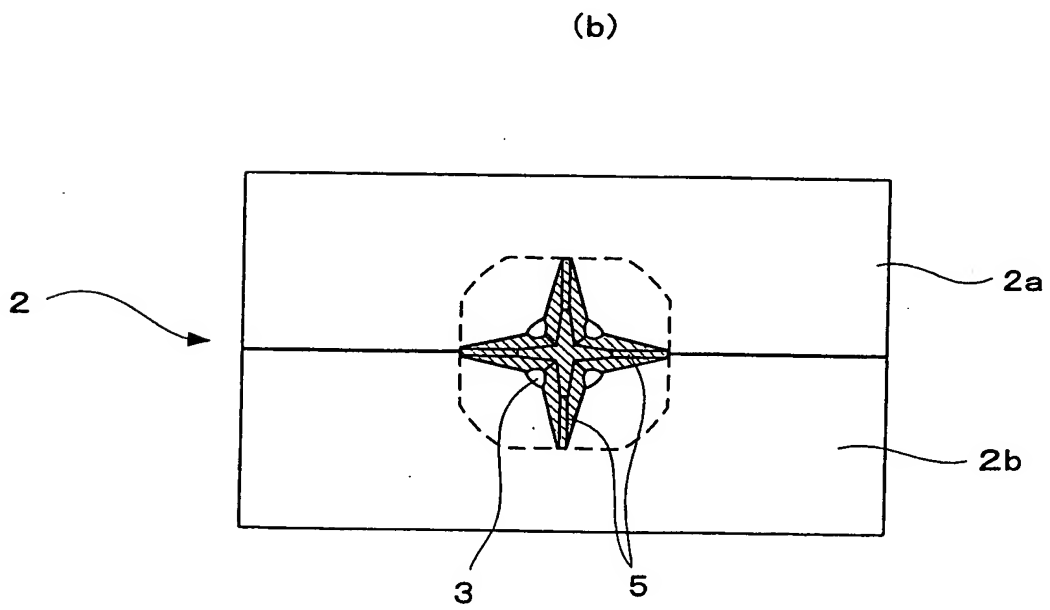
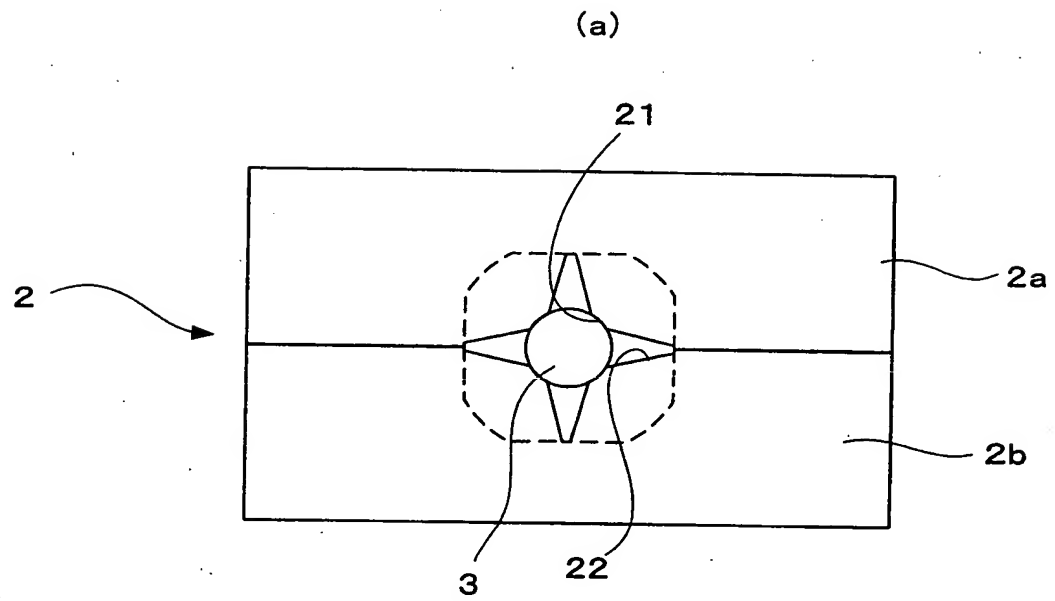
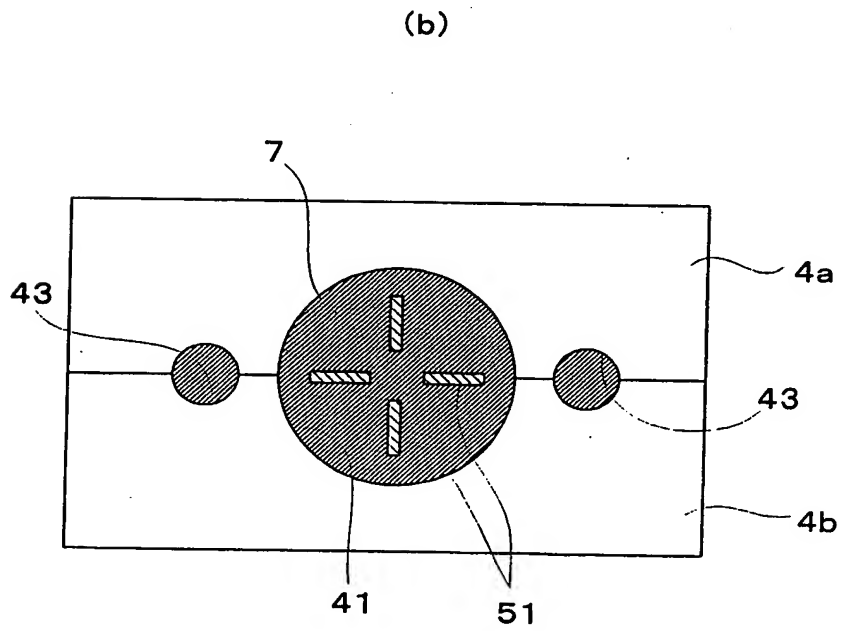
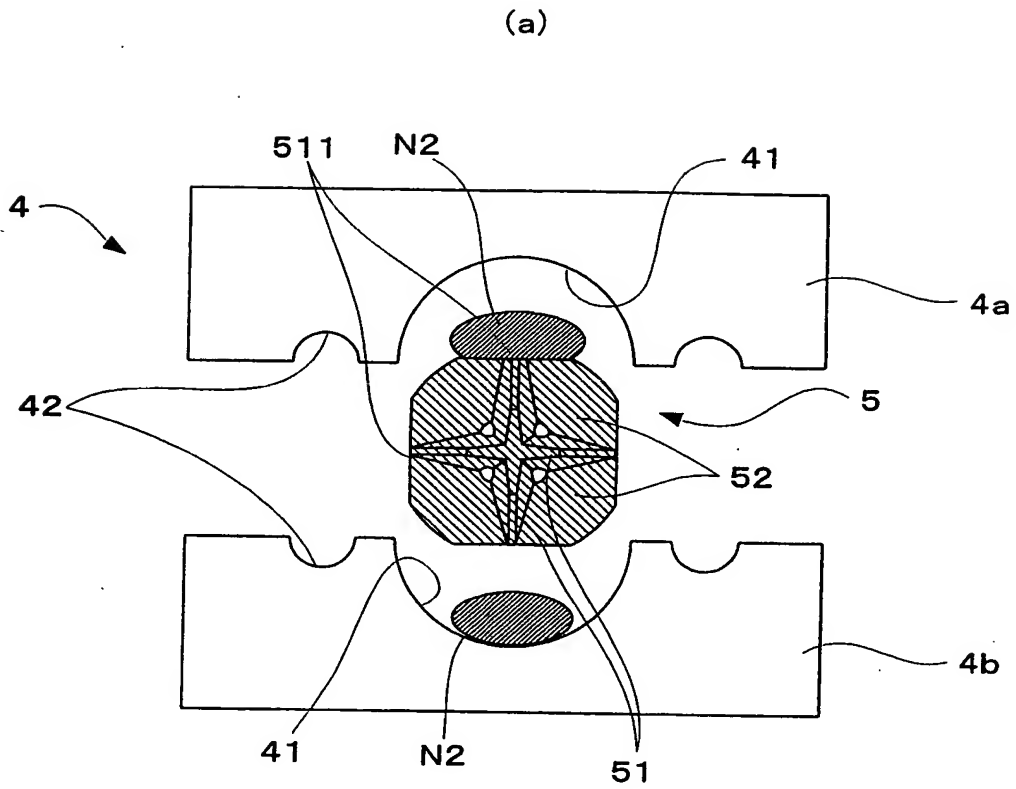


Fig. 8



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Fig. 9

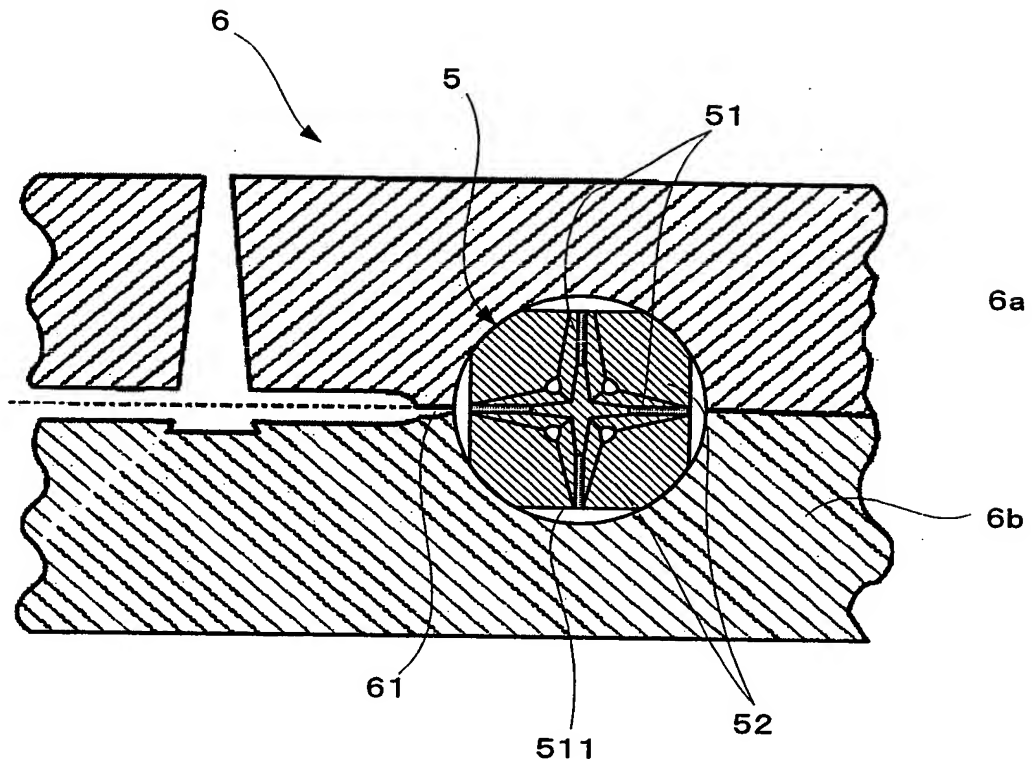


Fig. 10

Core		Ex. 1	Ex. 2	Ex. 3	Ex. 4	Comp. Ex. 1	Comp. Ex. 2	Comp. Ex. 3	Comp. Ex. 4
		1.08 40 100 5 5 1 21 0.1	1.08 40 100 5 5 1 21 0.1	1.08 40 100 5 5 1 21 0.1	1.08 50 100 4 2 1 31 0.1	1.08 40 100 5 5 1 21 0.1	1.08 40 100 5 5 1 21 0.1	1.2 40 100 5 5 25 21 0.1	1.2 50 100 5 5 22 31 0.1
First intermediate layer	Specific gravity	1.16	1.2	1.14	1.16	1.2	1.14	1.2	1.2
	Shore D hardness	50	50	50	45	50	50	50	45
	BR	100	100	100	100	100	100	100	100
	Zinc oxide	5	5	5	5	5	5	5	5
	Barium sulfate	15	22	11	16	22	11	22	23
	Peroxide	1	1	1	1	1	1	1	1
	Zinc acrylate	31	31	31	26	31	31	31	26
Second intermediate layer	Antioxidant	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	Specific gravity	1.25	1.25	1.23	1.25	1.25	1.23	1.13	1.13
	Shore D hardness	43	45	43	40	45	43	43	40
	BR	100	100	100	100	100	100	100	100
	Zinc oxide	5	5	5	5	5	5	5	5
	Barium sulfate	33	32	30	34	32	33	12	13
	Peroxide	1	1	1	1	1	1	1	1
Cover	Zinc acrylate	24	26	24	21	26	24	24	21
	Antioxidant	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	HIMILAN 1706	50	50	50	50	50	50	50	50
	HIMILAN 1605	50	50	50	50	50	50	50	50

Unit: Part by weight

Fig. 11

	Ex. 1		Ex. 2		Ex. 3		Ex. 4		Comp. Ex. 1		Comp. Ex. 2		Comp. Ex. 3		Comp. Ex. 4	
	Present		Present		Present		Present		Present		Present		Not present		Not present	
Rib																
Core	Diameter (mm)		23.3		26.5		16.9		23.3		26.9		16.5		32.3	
	Hardness		40		40		40		50		40		40		50	
First intermediate layer	Thickness (Rib height)		8.0		6.4		11.2		8.0		6.2		11.4		2.0	
	(mm)															
Second intermediate layer	Hardness		50		50		50		45		50		50		45	
	Thickness (mm)		8.0		6.4		11.2		8.0		6.2		11.4		1.5	
Cover	Hardness		43		45		43		40		45		43		40	
	Thickness (mm)		1.7		1.7		1.7		1.7		1.7		1.7		1.7	
	Hardness		62		62		62		62		62		62		62	

Fig. 12

	Example 1		Example 2		Example 3		Example 4		Comp. Ex. 1		Comp. Ex. 2		Comp. Ex. 3		Comp. Ex. 4	
	Excellent		Excellent		Excellent		Excellent		Excellent		Too soft		Excellent		Too soft	
1W	Carry (m)	200.2	199.7	197.7	197.9	197.7	197.7	194.5	194.5	194.2	194.1	194.1	194.1	192.5	192.5	192.5
	Total (m)	212.2	211.4	206.5	208.1	206.5	206.5	211.0	211.0	205.4	206.4	206.4	206.4	201.9	201.9	201.9
	Back Spin (rpm)	2501	2510	2912	2488	2912	2912	2524	2524	2460	2411	2411	2411	2811	2811	2811
	Feeling	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Too soft	Excellent	Excellent	Excellent	Too soft	Too soft	Too soft
5W	Carry (m)	150.2	150.5	148.3	149.0	148.3	148.3	149.5	149.5	145.0	146.0	146.0	146.0	144.2	144.2	144.2
	Total (m)	158.0	158.3	151.2	156.9	151.2	151.2	159.5	159.5	153.8	157.3	157.3	157.3	1478.2	1478.2	1478.2
	Back Spin (rpm)	4492	4481	5224	4518	5224	5224	4398	4398	4711	4342	4342	4342	5118	5118	5118
	Feeling	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Hard	Hard	Too soft	Excellent	Excellent	Excellent	Too soft	Too soft	Too soft